HIGH-MU TRIODE POWER PENTODE

32A8 is a triode-pentode designed for use as an AF amplifier and output tube in transformer-less radio receivers.

BASE E9-1 Small Button Noval 9-Pin

MOUNTING POSITION—Any

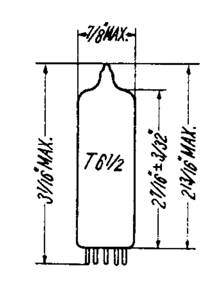
HEATER

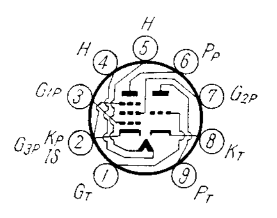
Voltage.............................. 32 (V)

Current ....0.15 (A)

DIRECT INTERELECTRODE CAPACITANCES

(Without Shield)	Triode Unit	Pentode Unit	
Grid No. 1 to Plate	4.2	0.3 max.	(pF)
Input	2.7	9.3	(pF)
Output	4.3	8.0	(pF)



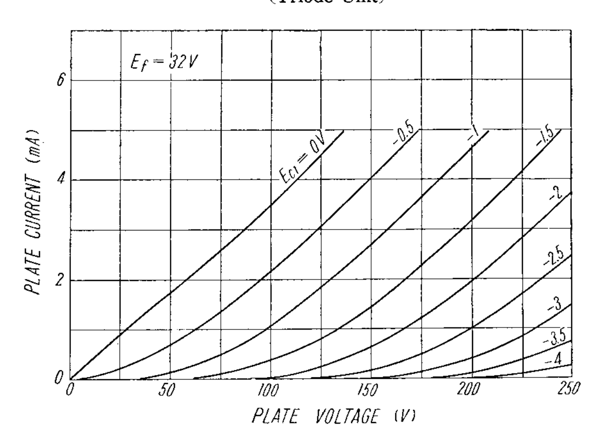


MAXIMUM RATINGS (Design Center Values)	Triode Unit	Pentode Unit	
Plate Voltage	250	250	(V)
Grid No. 2 Voltage	250	250	(V)
Plate Dissipation	1	7	(W)
Grid No. 2 Dissipation	—	1.8	(W)
Total Cathode Current	15	50	(mA)
Peak Heater—Cathode Voltage			
Heater negative with respect to cathode		200	(V)
Heater positive with respect to cathode		200 △	(V)
Grid No. 1 Circuit Resistance			
with Fixed Bias	1	1	(MΩ)
with Cathode Bias	3	2	(MΩ)
with Grid Bias	22	—	(MΩ)

△ The D.C. component must not exceed 100 volts.

TYPICAL OPERATION	Triode Unit	Pentode Unit	
Plate Voltage	100	100	(V)
Grid No. 2 Voltage	—	100	(V)
Grid No. 1 Voltage	0	−6	(V)
Grid No. 1 Input Voltage (RMS)	—	3.8	(V)
Plate Current	3.5	26	(mA)
Grid No. 2 Current	—	5.0	(mA)
Transconductance	2,500	6,800	(μ℧)
Plate Resistance (Approx.)	—	15	(kΩ)
Amplification Factor	70	—	
Load Resistance	—	3.9	(kΩ)
Max.-Signal Power Output	—	1.05	(W)
Total Harmonic Distortion	—	10	(%)

AVERAGE PLATE CHARACTERISTICS
(Triode Unit)



AVERAGE PLATE CHARACTERISTICS
(Pentode Unit)

